
Dr. Wei-Li Hong**Assistant professor, Stockholm University****postal:** Institutionen för geologiska vetenskaper 106 91 Stockholm**phone:** +46 721489101 **email:** wei-li.hong@geo.su.se

EDUCATIONPhD in Chemical Oceanography, Oregon State University (*March 2014*)M. Sc, National Taiwan University (*June 2009*)B. Sc, National Taiwan University (*June 2005*)

PAST EMPLOYMENTPost-doctoral researcher, Geological Survey of Norway (*April, 2017 – Apr, 2020*)Post-doctoral researcher, CAGE, University of Tromsø, Norway (*September, 2014 – March, 2017*)Post-doctoral researcher, Oregon State University (*April, 2014 - August, 2014*)Research Assistant, Oregon State University (*June, 2009 - March, 2014*)

CRUISE/EXPEDITION EXPERIENCE**Organic Geochemist during IODP Exp 358:** 15 Jan to 5 Feb 2019.**Porewater Geochemist during MeBo drilling MSM57:** 29 July to 07 September 2016**Organic Geochemist during IODP Exp 337:** 27 July 2012 to 5 October 2012**Inorganic Geochemist for Ulleung Basin Gas Hydrate (UBGH2) research cruise:** 27th Aug to 30 Sep 2010and other dozens of cruises since 2007

HONORS AND AWARDS**2020-2023 EEA and Norway Grant (GRIEG: Polish-Norwegian research projects).** Submarine Groundwater Discharge in a Changing Arctic: Scale and Biogeochemical impact (ArcticSGD) Granted for €1,472,697 *Lead principle investigator***2014 Integrated Ocean Drilling Project Expedition 337 Post-Expedition-Activity (PEA) Award.**

Title: Strontium isotopes in pore fluid and carbonate recovered during Expedition 337.

2013-2014 Schlanger Scientific Ocean Drilling Fellowship. Funded project title: Constraining the Environmental Forcing of Methane Flux along the Cascadia Margin. (Supervisor: Dr. Marta Torres)

COMMISSIONS OF TRUST**2020** -Proposal reviewer for French National Research Agency-Reviewer for scientific journals *Marine and Petroleum Geology, Chemical Geology, Geophysical Research Letters***2019** -Goldschmidt Research Conference Session convener (10a)

-Standard document editorial committee (SN/K 579 Porevannsundersøkelser).

-International Ocean Discovery Program- Expedition 358 report editorial committee

-Reviewer for scientific journals *Geochimica et Cosmochimica Acta, Deep-Sea research Part II, Geophysical Research Letters and more***2018** -Proposal reviewer for National Science Foundation (USA)-Reviewer for scientific journal *Marine and Petroleum Geology, Geochimica et Cosmochimica Acta, Biogeosciences***2017** -Proposal reviewer for Czech Science Foundation-Reviewer for scientific journals *Scientific Reports, Geochimica et Cosmochimica Acta, Deep-Sea research Part II***2016** -Reviewer for scientific journals *Limnology & Oceanography, Biogeosciences, Nature Communications, Deep-Sea research Part II*-Local committee for the international conference 13th *Gas in the Marine Sediments* (GIMS13)

PUBLICATIONS**43** papers from peer-reviewed SCI journals (2012-2020)(11 papers as the lead author, 1 paper as corresponding author): h-index: 19 (since 2015), i10-index: 33 (since 2015) (*source: Google Scholar*)**+20** international conference presentation since 2005

FULL PUBLICATION (2012-2020)

– Peer-reviewed articles

- Pape, T., Ruffine, L., **Hong, W.-L.**, Sultan, N., Riboulot, V., Peters, C. A., ... & Bohrmann, G. Shallow gas hydrate accumulations at a Nigerian deep-water pockmark-Quantities and dynamics. *Journal of Geophysical Research: Solid Earth*, e2019JB018283.
- Hong, W.-L.**, Torres M.E., Kutterolf S. "Towards a global quantification of volcanogenic aluminosilicate alteration rates through the mass balance of strontium in marine sediments." *Chemical Geology*, 119743, 2020.
- Luo, M., Torres, M.E., **Hong, W.-L.**, Pape, T., Fronzek, J., Kutterolf, S., Mountjoy, J.J., Orpin, A., Henkel, S., Huhn, K. and Chen, D. "Impact of iron release by volcanic ash alteration on carbon cycling in sediments of the northern Hikurangi margin." *Earth and Planetary Science Letters* 541, 116288, 2020.
- Hong, W.-L.**, Latour, P., Sauer, S., Sen, A., Gilhooly, W. P., Lepland, A., and Fouskas, F.: Iron cycling in Arctic methane seeps, *Geo-Marine Letters*, 1-11, 2020.
- Dessandier, P.-A., Borrelli, C., Yao, H., Sauer, S., **Hong, W.-L.**, and Panieri, G.: Foraminiferal $\delta^{18}\text{O}$ reveals gas hydrate dissociation in Arctic and North Atlantic Ocean sediments, *Geo-Marine Letters*, 1-17, 2020.
- Chen, N.-C., Yang, T. F., **Hong, W.-L.**, Yu, T.-L., Lin, I.-T., Wang, P.-L., Lin, S., Su, C.-C., Shen, C.-C., Wang, Y., and Lin, L.-H.: Discharge of deeply rooted fluids from submarine mud volcanism in the Taiwan accretionary prism, *Scientific Reports*, 10, 381, 10.1038/s41598-019-57250-9, 2020.
- Yao, H., **Hong, W.-L.**, Panieri, G., Sauer, S., Torres, M. E., Lehmann, M. F., Gründger, F., and Niemann, H.: Fracture-controlled fluid transport supports microbial methane-oxidizing communities at Vestnesa Ridge, *Biogeosciences*, 16, 2221-2232, 10.5194/bg-16-2221-2019, 2019.
- Torres, M. E., **Hong, W.-L.**, Solomon, E. A., Milliken, K., Kim, J.-H., Sample, J. C., Teichert, B. M., and Wallmann, K.: Silicate weathering in anoxic marine sediment as a requirement for authigenic carbonate burial, *Earth-Science Reviews*, 200, 102960, 2019.
- Sen, A., Himmler, T., **Hong, W.-L.**, Chitkara, C., Lee, R. W., Ferré, B., Lepland, A., and Knies, J.: Atypical biological features of a new cold seep site on the Lofoten-Vesterålen continental margin (northern Norway), *Scientific Reports*, 9, 1762, 2019.
- Sen, A., Chitkara, C., **Hong, W.-L.**, Lepland, A., Cochrane, S., di Primio, R., and Brunstad, H.: Image based quantitative comparisons indicate heightened megabenthos diversity and abundance at a site of weak hydrocarbon seepage in the southwestern Barents Sea, *PeerJ*, 7, e7398, 2019.
- Pape, T., Bunz, S., **Hong, W.-L.**, Torres, M. E., Riedel, M., Panieri, G., Lepland, A., Hsu, C. W., Wintersteller, P., Wallmann, K., Schmidt, C., Yao, H., and Bohrmann, G.: Origin and transformation of light hydrocarbons ascending at an active pockmark on Vestnesa Ridge, Arctic Ocean, *Journal of Geophysical Research-Solid Earth*, 2019.
- Klasek, S., Torres, M. E., Bartlett, D. H., Tyler, M., **Hong, W.-L.**, and Colwell, F.: Microbial communities from Arctic marine sediments respond slowly to methane addition during ex situ enrichments, *Environmental Microbiology*, 2019.
- Hong, W.-L.**, Lepland, A., Himmler, T., Kim, J.-H., Chand, S., Sahy, D., Solomon, E. A., Rae, J. W., Martma, T., and Nam, S.-I.: Discharge of meteoric water in the eastern Norwegian Sea since the last glacial period, *Geophysical Research Letters*, 46, 8194-8204, 2019.
- Berndt, C., Planke, S., Teagle, D., Huismans, R., Torsvik, T., Frieling, J., Jones, M. T., Jerram, D. A., Tegner, C., Faleide, J. I., Coxall, H. K., and **Hong, W.-L.**: Northeast Atlantic breakup volcanism and consequences for Paleogene climate change-MagellanPlus Workshop report, *Scientific drilling*, 26, 69-85, 2019.
- Wallmann, K., Riedel, M., **Hong, W.-L.**, Patton, H., Hubbard, A., Pape, T., Hsu, C. W., Schmidt, C., Johnson, J. E., Torres, M. E., Andreassen, K., Berndt, C., and Bohrmann, G.: Gas hydrate dissociation off Svalbard induced by isostatic rebound rather than global warming, *Nature communications*, 9, 83, 10.1038/s41467-017-02550-9, 2018.
- Sen, A., Åström, E., **Hong, W.-L.**, Portnov, A., Waage, M., Serov, P., Carroll, M., and Carroll, J.: Geophysical and geochemical controls on the megafaunal community of a high Arctic cold seep, *Biogeosciences*, 15, 4533-4559, 10.5194/bg-15-4533-2018, 2018.
- Phillips, S. C., **Hong, W.-L.**, Johnson, J. E., Fahnestock, M. F., and Bryce, J. G.: Authigenic carbonate formation influenced by freshwater inputs and methanogenesis in coal-bearing strata offshore Shimokita, Japan (IODP site C0020), *Marine and Petroleum Geology*, 96, 288-303, 2018.
- McVeigh, D., Skarke, A., Dekas, A. E., Borrelli, C., **Hong, W.-L.**, Marlow, J. J., Pasulka, A., Jungbluth, S. P., Barco, R. A., and Djurhuus, A.: Characterization of benthic biogeochemistry and ecology at three methane seep sites on the Northern U.S. Atlantic margin, *Deep Sea Research Part II: Topical Studies in Oceanography*, <https://doi.org/10.1016/j.dsr2.2018.03.001>, 2018.
- Hong, W.-L.**, Torres, M. E., Portnov, A., Waage, M., Haley, B., and Lepland, A.: Variations in gas and water pulses at an Arctic seep: fluid sources and methane transport, *Geophysical Research Letters*, 45, 10.1029/2018GL077309, 2018.
- Sample, J. C., Torres, M. E., Fisher, A., **Hong, W.-L.**, Destigneville, C., Defliese, W. F., and Tripathi, A. E.: Geochemical constraints on the temperature and timing of carbonate formation and lithification in the Nankai Trough, NanTroSEIZE transect, *Geochim. Cosmochim. Acta*, 198, 92-114, 2017.
- Plaza-Faverola, A., Vadakkepulyambatta, S., **Hong, W.-L.**, Mienert, J., Bünz, S., Chand, S., and Greinert, J.: Bottom-simulating reflector dynamics at Arctic thermogenic gas provinces: An example from Vestnesa Ridge, offshore west Svalbard, *Journal of Geophysical Research: Solid Earth*, 122, 4089-4105, 10.1002/2016jb013761, 2017.
- Panieri, G., Bünz, S., Fornari, D. J., Escartin, J., Serov, P., Jansson, P., Torres, M. E., Johnson, J. E., **Hong, W.-L.**, Sauer, S., Garcia, R., and Gracias, N.: An integrated view of the methane system in the pockmarks at Vestnesa Ridge, 79°N, *Marine Geology*, 390, 282-300, <http://dx.doi.org/10.1016/j.margeo.2017.06.006>, 2017.
- Hong, W.-L.**, Torres, M. E., Carroll, J., Crémière, A., Panieri, G., Yao, H., and Serov, P.: Seepage from an arctic shallow marine gas hydrate reservoir is insensitive to momentary ocean warming, *Nature communications*, 8, 15745, 2017.

- Crémière, A., Strauss, H., Sebilo, M., **Hong, W.-L.**, Gros, O., Schmidt, S., Toczy, J., Henry, F., Gontharet, S., and Laverman, A. M.: Sulfur diagenesis under rapid accumulation of organic-rich sediments in a marine mangrove from Guadeloupe (French West Indies), *Chem. Geol.*, 454, 67-79, 2017.
- Chen, N.-C., Yang, T. F., **Hong, W.-L.**, Chen, H.-W., Chen, H.-C., Hu, C.-Y., Huang, Y.-C., Lin, S., Lin, L.-H., Su, C.-C., Liao, W.-Z., Sun, C.-H., Wang, P.-L., Yang, T., Jiang, S.-Y., Liu, C.-S., Wang, Y., and Chung, S.-H.: Production, consumption, and migration of methane in accretionary prism of southwestern Taiwan, *Geochemistry, Geophysics, Geosystems*, 18, 2970-2989, doi:10.1002/2017GC006798, 2017.
- Sauer, S., **Hong, W.-L.**, Knies, J., Lepland, A., Forwick, M., Klug, M., Eichinger, F., Baranwal, S., Crémière, A., and Chand, S.: Sources and turnover of organic carbon and methane in fjord and shelf sediments off northern Norway, *Geochemistry, Geophysics, Geosystems*, 17, 4011-4031, 2016.
- Peszynska, M., Medina, F. P., **Hong, W.-L.**, and Torres, M. E.: Reduced Numerical Model for Methane Hydrate Formation under Conditions of Variable Salinity. Time-Stepping Variants and Sensitivity, *Computation*, 4, 1, 2016.
- Peszynska, M., **Hong, W.-L.**, Torres, M. E., and Kim, J.-H.: Methane Hydrate Formation in Ulleung Basin Under Conditions of Variable Salinity: Reduced Model and Experiments, *Transport in Porous Media*, 1-27, 10.1007/s11242-016-0706-y, 2016.
- Kim, J.-H., Torres, M. E., Haley, B. A., Ryu, J.-S., Park, M.-H., **Hong, W.-L.**, and Choi, J.: Marine silicate weathering in the anoxic sediment of the Ulleung Basin: Evidence and consequences, *Geochemistry, Geophysics, Geosystems*, 17, 3437-3453, 2016.
- Hong, W.-L.**, Sauer, S., Panieri, G., Ambrose Jr, W. G., James, R. H., Plaza-Faverola, A., and Schneider, A.: Removal of methane through hydrological, microbial, and geochemical processes in the shallow sediments of pockmarks along eastern Vestnesa Ridge (Svalbard), *Limnology and Oceanography*, 61, S324-S343, 2016.
- Chen, M., Kim, J.-H., Nam, S.-I., Niessen, F., **Hong, W.-L.**, Kang, M.-H., and Hur, J.: Production of fluorescent dissolved organic matter in Arctic Ocean sediments, *Scientific Reports*, 6, 39213, 2016.
- Torres, M., Cox, T., **Hong, W.-L.**, McManus, J., Sample, J., Destrigneville, C., Gan, H., Gan, H., and Moreau, J.: Crustal fluid and ash alteration impacts on the biosphere of Shikoku Basin sediments, Nankai Trough, Japan, *Geobiology*, 13, 562-580, 2015.
- Moen, N., **Hong, W.-L.**, and Haley, B.: Data report: $^{87}\text{Sr}/^{86}\text{Sr}$ in pore fluids off Shimokita, Japan, *Proc. IODP| Volume*, 337, 2, 2015.
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- Hong, W.-L.**, Torres, M. E., Kim, J.-H., Choi, J., and Bahk, J.-J.: Towards quantifying the reaction network around the sulfate-methane-transition-zone in the Ulleung Basin, East Sea, with a kinetic modeling approach, *Geochim. Cosmochim. Acta*, 140, 127-141, 2014.
- Hong, W.-L.**, Solomon, E. A., and Torres, M. E.: A kinetic-model approach to quantify the effect of mass transport deposits on pore water profiles in the Krishna-Godavari Basin, Bay of Bengal, *Marine and Petroleum Geology*, 58, 223-232, 2014.
- Kim, J.-H., Torres, M. E., Lee, J. Y., **Hong, W.-L.**, Holland, M., Park, M.-H., Choi, J., and Kim, G.-Y.: Depressurization experiment of pressure cores from the central Ulleung Basin, East Sea; insights into gas chemistry, *Organic Geochemistry*, 62, 86-95, j.orggeochem.2013.07.010, 2013b.
- Kim, J.-H., Torres, M. E., **Hong, W.-L.**, Choi, J., Riedel, M., Bahk, J.-J., and Kim, S.-H.: Pore fluid chemistry from the Second Gas Hydrate Drilling Expedition in the Ulleung Basin (UBGH2): Source, mechanisms and consequences of fluid freshening in the central part of the Ulleung Basin, East Sea, *Marine and Petroleum Geology*, 47, 99-112, 10.1016/j.marpetgeo.2012.12.011, 2013.
- Hong, W.-L.**, Torres, M. E., Kim, J.-H., Choi, J., and Bahk, J.-J.: Carbon cycling within the sulfate-methane-transition-zone in marine sediments from the Ulleung Basin, *Biogeochemistry*, 115, 129-148, 2013.
- Hong, W.-L.**, Etiopie, G., Yang, T. F., and Chang, P.-Y.: Methane flux from miniseepage in mud volcanoes of SW Taiwan: Comparison with the data from Italy, Romania, and Azerbaijan, *Journal of Asian Earth Sciences*, 65, 3-12, 10.1016/j.jseaes.2012.02.005, 2013.
- Choi, J., Kim, J.-H., Torres, M. E., **Hong, W.-L.**, Lee, J.-W., Yi, B. Y., Bahk, J.-J., and Lee, K. E.: Gas origin and migration in the Ulleung Basin, East Sea: Results from the Second Ulleung Basin Gas Hydrate Drilling Expedition (UBGH2), *Marine and Petroleum Geology*, 47, 113-124, 2013.
- Kim, J.-H., Torres, M. E., Choi, J., Bahk, J.-J., Park, M.-H., and **Hong, W.-L.**: Inferences on gas transport based on molecular and isotopic signatures of gases at acoustic chimneys and background sites in the Ulleung Basin, *Organic Geochemistry*, 43, 26-38, 2012.

– Peer-reviewed books and book chapters

Hong, W.-L., and Peszynska, M.: Geochemical Aspects, in: *Gas Hydrates 2*, edited by: Ruffine, L., Broseta, D., and Desmedt, A., John Wiley & Sons, Inc., 219-241, 2018.

Bohrmann, G., Ahrlich, F., Bergenthal, M., Bünz, S., Düßmann, R., Ferreira, C., Freudenthal, T., Fröhlich, S., Hamann, K., **Hong, W.-L.**, Hsu, C.-W., Johnson, J., Kaszemeik, K., Kausche, A., Klein, T., Lange, M., Lepland, A., Malnati, J., Meckel, S., Meyer-Schack, B., Noorlander, K., Panieri, G., Pape, T., Reuter, M., Riedel, M., Rosiak, U., Schmidt, C., Schmidt, W., Seiter, C., Spagnoli, G., Stachowski, A., Stange, N., Wallmann, K., Wintersteller, P., Wunsch, D., and Yao, H.: R/V MARIA S. MERIAN Cruise Report MSM57, Gas Hydrate Dynamics at the Continental Margin of Svalbard, Reykjavik – Longyearbyen – Reykjavik, 29 July – 07 September 2016, Bremen, Cruise Report, 2017.

– *Selected Conference abstracts*

2019

Hong, W.-L., Torres M, Wallmann K & Lepland, A. (2019) Quantification of Silicate Alteration Rates Through Porewater Strontium Profiles. Goldschmidt conference, Barcelona.

2018

Hong, W.-L., Rae, J.W.B., Cremiere, A. Lepland, A. (2018) Boron isotopes and trace element composition in authigenic carbonates: challenges in mineral phase separation. Goldschmidt conference, Boston.

2017

Hong, W.-L., C. Schmidt, H. Yao, K. Wallmann, J. Rae, A. Lepland, M. E. Torres, A. Plaza-Faverola, P. Latour, S. Bunz and G. Bohrmann (2017). Fracture-Induced Fluid Migration in an Arctic Deep Water Pockmark: Porewater Geochemistry from the MEBO Drilling (MSM57) in Vestnesa Ridge (Svalbard) Goldschmidt conference.

2016

Carroll, M., E. Åström, W. Ambrose, W. Locke, G. Oliver, W.-L. Hong and J. Carroll (2016). Shell growth and environmental control of methanophyllic Thyasirid bivalves from Svalbard cold seeps. EGU General Assembly Conference Abstracts.

Gründger, F., Svenning, M. M., Niemann, H., Silyakova, A., Serov, P., **Hong, W.-L.**, Wegener, G., Panieri, G., Carroll, J. Differential methane oxidation activity and microbial community composition at cold seeps in the Arctic off western Svalbard. EGU General Assembly 2016 2016-04-17 - 2016-04-22 2016.

Chen, N.-C., Yang, T. F., Chuang, P.-C., **Hong, W.-L.**, Chen, H.-W.; Lin, S., Lin, L.-H., Mastumoto, R., Hiruta, A., Sun, C.-H., Wang, P.-L., Yang, T., Jiang, S.-Y., Wang, Y.-s., Chung, S.-H., Chen, C.-H. Methane flux in potential hydrate-bearing sediments offshore southwestern Taiwan. EGU General Assembly 2016-04-17 - 2016-04-22 2016.

Yao, H., **Hong, W.-L.**, Niemann, H., Panieri, G. A Tale of ...Two Gas Hydrate Reservoirs in the Arctic. Gordon Research Conferences, Natural Gas Hydrate Systems. 2016-02-28 - 2016-03-04 2016.

Hong, W.-L., Torres, M. E., Carroll, J., Crémière, A., Panieri, G., Serov, P. Methane discharge from Arctic gas hydrates: warming or natural ventilation?. Gordon Research Conferences, Natural Gas Hydrate Systems. 2016-02-28 - 2016-03-04 2016.

Yang, T. F., T. Lan, H.-F. Lee, C.-C. Fu, P.-C. Chuang, W.-L. Hong, V. Walia, H.-W. Chen, H.-Y. Wen and A.-T. Chen (2016). Research of Helium Isotopes in Taiwan: The Legacy of Dr. Tsanyao Frank Yang. EGU General Assembly Conference Abstracts.

2015

Panieri, G., Lepland, Ai., Graves, C., Schneider, A., Consolaro, C., **Hong, W.-L.**, James, R., Mienert, J. Fossil bioarchives to discover and track methane releases in the Arctic. 7th International Conference on Arctic Margins 2015-06-02 - 2015-06-05 2015.

Rose, K., M. Torres, J. Johnson, W. Hong, L. Giosan, E. Solomon, M. Kastner, T. Cawthorn, P. Long and T. Schaef (2015). Preferential accumulation of gas hydrate in the Andaman accretionary wedge and relationship to anomalous porosity preservation. AGU Fall Meeting Abstracts.

2013

Hong, W., N. Moen and B. Haley (2013). Fluid source inferred from strontium isotopes in pore fluid and carbonate recovered during Expedition 337 off Shimokita, Japan. AGU Fall Meeting Abstracts.

2012

Hong, W.-L., Spinelli, G. A., and Torres, M. E. (2012) Sediment-pore water interactions controlling cementation in the NanTroSEIZE drilling transects. *American Geophysical Union Fall Meeting*

Hong, W., G. Spinelli and M. Torres (2012). Sediment-pore water interactions controlling cementation in the NanTroSEIZE drilling transects. AGU Fall Meeting Abstracts.

2011

Hong, W.-L., Torres, M.E., Kim, J.-H., Choi, J., Bahk, J.-J., Ryu, B.-J. (2011) Carbon cycling around sulfate methane transition zone in the Ulleung Basin: How much methane is actually coming up? *American Geophysical Union Fall Meeting*

2010

Hong, W.-L., Torres, M.E., Johnson, J.E., Melgar, E.P., and Rose, K. (2010) Quantifying Long-term Methane Flux Change by Coupling Authigenic Mineral Distribution and Kinetic Modeling at Southern Hydrate Ridge, Oregon. *American Geophysical Union Fall Meeting*

Johnson, J., M. Torres, W. Hong, C. Disenhof, E. Miranda and K. Rose (2010). Slope failure records in gas hydrate bearing regions of the Cascadia margin. AGU Fall Meeting Abstracts.

2008

Hong, W.-L., Yang, T.F., Chuang, P.C., Chen, N.C., Chen, H.C., Wallmann, K., Lin, S. (2008) Confirming Carbon Cycling near the SMI by Kinetic Modeling: Evidence from CH₄ and DIC Isotopes in Taiwan. *American Geophysical Union Fall Meeting*

Chen, N., T. Yang, W. Hong, P. Chuan, H. Chen, R. Matsumoto, A. Hiruta and S. Lin (2008). The carbon isotopes of DIC and methane gas from gas hydrate potential area offshore SW Taiwan. AGU Fall Meeting Abstracts.

Hong, W., T. Yang, P. Chuang, N. Chen, H. Chen, K. Wallmann and S. Lin (2008). Estimation of Methane Concentration by Kinetic Modeling and Its Implication for the Top of Gas Hydrate Depth. AGU Fall Meeting Abstracts.

2007

Hong, W.-L., Yang, T.F., Walia, V., Lin, S.J., Fu, C.C., Chen, C.C., and Wen, K.L. (2007) Evidences support Nitrogen as carrier gas of helium along Hsincheng fault, NW Taiwan. *9th Intentional Conference on Gas Geochemistry*, Taipei, Taiwan.

2006

Hong, W.-L., and Yang, T.F. (2006) Methane Flux from Accretionary Prism through Mud Volcano area in Taiwan- From Present to the Past. *American Geophysical Union Fall Meeting*

Chuang, P., T. Yang, S. Lin, H. Lee, T. Lan, W. Hong, C. Sun, Y. Chen, J. Chen and Y. Wang (2006). Gas geochemistry study in gas hydrate potential area offshore SW Taiwan. AGU Fall Meeting Abstracts.

Yang, T., P. Chuang, W. Hong, S. Lin, J. Chen and Y. Wang (2006). Dissolved Methane Gases in Water Column and Bottom Water from Offshore SW Taiwan. AGU Fall Meeting Abstracts.

2005

Hong, W.-L., Lin, S.J., Walia, V., Fu, C.C. and Yang, T.F. (2005). Soil gas variations across a neotectonic fault in Northern Taiwan. *European Geosciences Union annual meeting*.